

## PATENT COOPERATION TREATY

## PCT



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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY  
(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 4912	<b>FOR FURTHER ACTION</b> See Form PCT/PEA/416	
International application No. PCT/IT 03/00668	International filing date (day/month/year) 29.10.2003	Priority date (day/month/year) 29.10.2002
International Patent Classification (IPC) or national classification and IPC E03C1/046		
Applicant DE SIMONE, Fiorentino		
<p>1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.</p> <p>2. This REPORT consists of a total of 5 sheets, including this cover sheet.</p> <p>3. This report is also accompanied by ANNEXES, comprising:</p> <p>a. <input checked="" type="checkbox"/> sent to the applicant and to the International Bureau) a total of 16 sheets, as follows:</p> <p><input checked="" type="checkbox"/> sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).</p> <p><input type="checkbox"/> sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.</p> <p>b. <input type="checkbox"/> (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)) , containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).</p>		
<p>4. This report contains indications relating to the following items:</p> <p><input checked="" type="checkbox"/> Box No. I Basis of the opinion</p> <p><input type="checkbox"/> Box No. II Priority</p> <p><input type="checkbox"/> Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability</p> <p><input type="checkbox"/> Box No. IV Lack of unity of invention</p> <p><input checked="" type="checkbox"/> Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement</p> <p><input type="checkbox"/> Box No. VI Certain documents cited</p> <p><input type="checkbox"/> Box No. VII Certain defects in the international application</p> <p><input type="checkbox"/> Box No. VIII Certain observations on the international application</p>		
Date of submission of the demand 12.05.2004	Date of completion of this report 10.05.2005	
Name and mailing address of the international preliminary examining authority:  European Patent Office - P.B. 5818 Patentlaan 2 NL-2280 HV Rijswijk - Pays Bas Tel. +31 70 340 - 2040 Tx: 31 651 epo nl Fax: +31 70 340 - 3016	Authorized Officer De Coene, P Telephone No. +31 70 340-2730 	

**INTERNATIONAL PRELIMINARY REPORT  
ON PATENTABILITY**

International application No.  
PCT/IT 03/00668

**Box No. I Basis of the report**

1. With regard to the **language**, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.
- ☐ This report is based on translations from the original language into the following language, which is the language of a translation furnished for the purposes of:
- ☐ international search (under Rules 12.3 and 23.1(b))
  - ☐ publication of the international application (under Rule 12.4)
  - ☐ international preliminary examination (under Rules 55.2 and/or 55.3)
2. With regard to the **elements\*** of the international application, this report is based on *(replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report)*:

**Description, Pages**

1-12 as originally filed

**Claims, Numbers**

1-28 as originally filed

**Drawings, Sheets**

1/16-16/16 received on 24.05.2004 with letter of 19.05.2004

- ☐ a sequence listing and/or any related table(s) - see Supplemental Box Relating to Sequence Listing
3. ☐ The amendments have resulted in the cancellation of:
- ☐ the description, pages
  - ☐ the claims, Nos.
  - ☐ the drawings, sheets/figs
  - ☐ the sequence listing *(specify)*:
  - ☐ any table(s) related to sequence listing *(specify)*:
4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).
- ☐ the description, pages
  - ☐ the claims, Nos.
  - ☐ the drawings, sheets/figs
  - ☐ the sequence listing *(specify)*:
  - ☐ any table(s) related to sequence listing *(specify)*:

\* If item 4 applies, some or all of these sheets may be marked "superseded."

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**Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

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**1. Statement**

Novelty (N)	Yes: Claims	3-28
	No: Claims	1,2
Inventive step (IS)	Yes: Claims	
	No: Claims	1-28
Industrial applicability (IA)	Yes: Claims	1-28
	No: Claims	

**2. Citations and explanations (Rule 70.7):**

**see separate sheet**

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(SEPARATE SHEET)**

International application No.

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1. The document US-A-2002/0070292 was not cited in the international search report. A copy of the document is appended hereto.
2. The present application does not meet the criteria of Article 33(1) PCT, because the subject-matter of claim 1 is not new in the sense of Article 33(2) PCT for the following reasons:
  - 2.1 From US-A-5 961 049, in particular column 6, lines 17-37 and figure 6, a device for ejecting foam from a shower head with controlled soap dosage is known, wherein there is provided means 150, 180 to mix the water for the shower, already at the desired temperature, with air (see column 6, lines 25, 26) and a predetermined amount of soap, soap foam, shampoo or the like (see column 6, lines 31-34), in order to form a thick, uniform foam directly ejected from the shower head.
  - 2.2 Furthermore, the subject-matter of claim 1 is also known from US-A-2 891 913, see in particular means 22, 23.
  - 2.3 Thus all features of claim 1 are already known from US-A-5 961 049 and US-A-2 891 913.
3. Dependent claims 2-7, 10 and 11 do not contain any features which, in combination with the features of any claim to which they refer, meet the requirements of the PCT in respect of novelty and/or inventive step, see the documents and the corresponding passages cited in the search report.  
The dependent claims 8, 9 and 12-28 contain a multiplicity of features which relate to different embodiments of the subject-matter of claim 1, which appear not inventive.
4. Furthermore, even if the designation of claim 1 would be amended to: "a device for supplying foam to a shower head ..." or a device for supplying foam by means of a

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pipe to a shower head ...", such an amended claim would not fulfill the PCT-requirements, as such a device is known from US-A-2 891 913 (see in particular figure 1, device 10, shower head 15) respectively suggested by US-A-2002/0070292 (see in particular figure 1, device 10, shower head 102).